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Date of Deposit May 24, 2001

I hereby certify that this paper is being deposited with the United States Postal Service "EXPRESS MAIL Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to BOX PATENT APPLICATION, Commissioner of Patents and Trademarks, Washington, DC 20231.

Richard T. Imbra
name of individual depositing with PO

Signature Richard T. Imbra May 24, 2001

ATTORNEY DOCKET NO.: REGEN1550

THE COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231
ATTN: BOX PATENT APPLICATION

Sir:

Presented for filing is a new continuation-in-part patent application of:

APPLICANT(s): Roger Y. Tsien, Alice Y. Ting, Jin Zhang

FOR: **EMISSION RATIOMETRIC INDICATORS OF
PHOSPHORYLATION**

Enclosed are the following papers, including all those required to receive a filing date under 37 CFR § 1.53(b):

Number of Pages

Specification	62
Claims	12
Abstract	1
Declaration by inventors	3
Drawing(s)	7

Gray Cary Ware & Freidenrich LLP

Docket No. REGEN1550

Box Patent Application

May 24, 2001

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Under 35 USC § 120, this application claims the benefit of prior U.S. application No. 09/396,003, filed September 13, 1999, which is a continuation of U.S. Serial No. 08/792,553, filed January 31, 1997 (now U.S. Pat. No. 5,981,200), which is a CIP of U.S. Serial No. 594,575, filed January 31, 1996, and is related to Attorney Docket No. REGEN1530-2, filed May 24, 2001, the entire contents of each of which is incorporated herein by reference.

Enclosures:

- Statement Under 37 CFR §§1.821(f) &(g) (1 page);
- Verified Statement Under 37 CFR §§1.821(f) (1 page);
- Sequence Listing (22 pages);
- Sequence listing in computer readable form (3.5" disk);
- Postcard

The filing fee is calculated as follows. Small Entity status is claimed.

(1) For	(2) Number filed	(3) Number extra	(4) Large Entity Rate	(5) Small Entity Rate	(6) Calculations
Basic Filing Fee	XX	XX	\$ 690.00	\$345.00	\$ 000.00
Total Claims	# - 20 =	0	X \$ 18.00	X \$ 9.00	\$ 0.00
Independent Claims	# - 3 =	0	X \$ 78.00	X \$ 39.00	\$ 0.00
Multiple Dependent Claim(s) (if applicable)			\$ 260.00	\$130.00	\$ 000.00
Total of above Calculations =					\$ 000.00

Please apply any other required fees (EXCEPT FILING FEE) or any credits to deposit account 50-1355, referencing the attorney docket number shown above.

If this application is found to be INCOMPLETE, or if a telephone conference would otherwise be helpful, please call the undersigned at (858) 677-1456.

Gray Cary Ware & Freidenrich LLP

Docket No. REGEN1550

Box Patent Application

May 24, 2001

Page 3

If this application is found to be INCOMPLETE, of if a telephone conference would otherwise be helpful, please call the undersigned at (858) 677-1456.

All future correspondence should be addressed to:

Lisa A. Haile, Ph.D.

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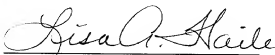
Telephone: (858) 677-1456

Facsimile: (858) 677-1465

A duplicate copy of this letter is enclosed. Kindly acknowledge receipt of this application by returning the enclosed postcard.

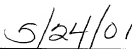
Respectfully submitted,

Gray Cary Ware & Freidenrich LLP



Lisa A. Haile, Ph.D.

Registration No. 38,347



Date

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Enclosures

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: R. Tsien et al. Art Unit: To be assigned
Application No.: To be assigned Examiner: To be assigned
Filed: Herewith
Title: EMISSION RATIONOMETRIC INDICATORS OF
PHOSPHORYLATION

Commissioner for Patents
Washington, D.C. 20231

STATEMENT UNDER 37 C.F.R. §§ 1.821(f) and (g):

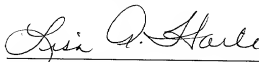
Sir:

I hereby state, as required by 37 C.F.R. § 1.821(f), that the information recorded in computer readable form is identical to the written sequence listing.

I hereby state that the submission, filed in accordance with 37 C.F.R. § 1.821 (g), herein does not include new matter.

Respectfully submitted,

Date: 5/24/01



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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Tsien, <i>et al.</i>	Art Unit:	Unassigned
Application No.:	Unassigned	Examiner	Unassigned
Filed:	May 24, 2001		
Title:	EMISSION RATIOMETRIC INDICATORS OF PHOSPHORYLATION		

Commissioner for Patents
Washington, D.C. 20231

VERIFIED STATEMENT UNDER 37 C.F.R. § 1.821(f)

Sir:

I, Mikhail Bayley, declare that I personally prepared the paper and the computer-readable copies of the Sequence Listing filed herewith in the above-entitled case and that the content of both is the same.

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of The United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Date:

05/24/2001

Mikhail Bayley

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